

Material Safety Data Sheet  
According to 91/155 EC

Printing date 20.11.2002

Reviewed on 20.11.2002

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**1 Identification of substance**

- Product details:
- Trade name: ALTO ActiveWax
- Manufacturer/Supplier:  
ALTO Deutschland GmbH  
Guido-Oberdorfer-Straße 2-8                      Telefon: 07306/72-0  
D - 89287 Bellenberg                              Telefax: 07306/72-316
- Informing department: Department cleaning and care agents
- Emergency information:  
National Poisons  
Information Service (L)  
Medical Toxicology Unit  
Avonley Road  
Tel:0171/635 91 91  
Fax:0171/771 53 09

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**2 Composition/Data on components**

- Chemical characterization
- Description:  
Mixture of the substances listed below with harmless additions.  
  
Dangerous components:  
112-34-5 2-(2-butoxyethoxy)ethanol                      5-15 %  
          Xi; R 36  
          EINECS: 203-961-6  
  
67-63-0 propan-2-ol    1-5 %  
          Xi; R 36-67  
          EINECS: 200-661-7
- Additional information  
For the wording of the listed risk phrases refer to section 16.

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**3 Hazards identification**

- Hazard designation: Xi Irritant
- Information pertaining to particular dangers for man and environment  
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.  
R 41 Risk of serious damage to eyes.
- Classification system  
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

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**4 First aid measures**

- After inhalation Supply fresh air; consult doctor in case of symptoms.
- After skin contact Instantly rinse with water.
- After eye contact  
Rinse opened eye for several minutes under running water. Then consult doctor.

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- After swallowing In case of persistent symptoms consult doctor.
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**5 Fire fighting measures**

- Suitable extinguishing agents  
Use fire fighting measures that suit the environment.
  - Protective equipment: No special measures required.
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**6 Accidental release measures**

- Person-related safety precautions: Not required.
  - Measures for environmental protection: No special measures required.
  - Measures for cleaning/collecting:  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
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**7 Handling and storage**

- Handling
    - Information for safe handling: No special measures required.
    - Information about protection against explosions and fires:  
No special measures required.
  - Storage
    - Requirements to be met by storerooms and containers:  
No special requirements.
    - Information about storage in one common storage facility: Not required.
    - Further information about storage conditions: Keep container tightly sealed.  
Protect from frost.
  - Storage class
  - Class according to regulation on inflammable liquids: Void
- 

**8 Exposure controls and personal protection**

Components with limit values that require monitoring at the workplace:

67-63-0 propan-2-ol (1-5%)  
OES: Short-term value: 1250 mg/m<sup>3</sup>, 500 ppm  
Long-term value: 999 mg/m<sup>3</sup>, 400 ppm

- Personal protective equipment
- General protective and hygienic measures  
Take off immediately all contaminated clothing  
Wash hands during breaks and at the end of the work.  
Avoid contact with the eyes.
- Breathing equipment: Not required.
- Protection of hands:  
Protective gloves.  
The glove material has to be impermeable and resistant to the product/  
the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be  
given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration  
times, rates of diffusion and the degradation
- Material of gloves  
The selection of the suitable gloves does not only depend on the  
material, but also on further marks of quality and varies from  
manufacturer to manufacturer. As the product is a preparation of  
several substances, the resistance of the glove material can not be

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calculated in advance and has therefore to be checked prior to the application.

- Penetration time of glove material  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Tightly sealed safety glasses.

**9 Physical and chemical properties**

## - General Information

- Form: Fluid

- Colour: Light red

- Odour: Characteristic

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	Value/Range	Unit	Method
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- Change in condition

- Melting point/Melting range: Not determined

- Boiling point/Boiling range: 100 ° C

- Flash point: 105 ° C

- Ignition temperature: 225.0 ° C

- Self-inflammability: Product is not selfigniting.

- Danger of explosion: Product is not explosive.

- Critical values for explosion:

- Lower: 0.9 Vol %

- Upper: 5.9 Vol %

- Vapour pressure: at 20 ° C 23.0 hPa

- Density at 20 ° C 0.972 g/cm<sup>3</sup>

- Solubility in / Miscibility with

- Water: fully miscible

- pH-value: (10 g/l) at 20 ° C 5

**10 Stability and reactivity**

- Thermal decomposition / conditions to be avoided:  
No decomposition if used according to specifications.
- Dangerous reactions No dangerous reactions known
- Dangerous products of decomposition:  
No dangerous decomposition products known

**11 Toxicological information**

- Acute toxicity:
- Primary irritant effect:  
- on the skin: Irritant to skin and mucous membranes.
- on the eye: Strong irritant with the danger of severe eye injury.
- Sensitization: No sensitizing effect known.

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- Additional toxicological information:  
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:  
Irritant
- 

**12 Ecological information**

- General notes:  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
The tensides are biologically degradable according to the German Detergents Legislation( Organisation for Economic Cooperation and Development)  
The product is free from halogen organic compounds ( AOX )  
Automatic separation from oil in waste water in conjunction with highly volatile separator tested in accordance with the Austria Standards Institute ( 5105 )
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**13 Disposal considerations**

- Product:  
- Recommendation  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
  - Uncleaned packagings:  
- Recommendation:  
Disposal must be made according to official regulations.
- 

**14 Transport information**

- Land transport ADR/RID (cross-border)  
- ADR/RID Class: -
  - Maritime transport IMDG:  
- Marine pollutant: No
- 

**15 Regulatory information**

- Designation according to EC guidelines:  
The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)
- Code letter and hazard designation of product: Xi Irritant
- Risk phrases: 41 Risk of serious damage to eyes.
- Safety phrases:  
2 Keep out of the reach of children.  
24/25 Avoid contact with skin and eyes.  
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
28 After contact with skin, wash immediately with plenty of water.  
37/39 Wear suitable gloves and eye/face protection.  
46 If swallowed, seek medical advice immediately and show this container or label.
- National regulations
- Classification according to VbF: Void

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- Water hazard class:  
Water hazard class 1 (Self-assessment): slightly hazardous for water.
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**16 Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant R-phrases
    - 36 Irritating to eyes.
    - 38 Irritating to skin.
    - 41 Risk of serious damage to eyes.
    - 67 Vapours may cause drowsiness and dizziness.
  
  - Department issuing data specification sheet:  
Department cleaning and care agents
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